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Intellectual Property Law

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Patents • Trademarks • Enforcement

July 10, 2003

Director of the USPTO  
Mail Stop PATENT APPLICATION  
P.O. Box 1450  
Alexandria, VA 22313-1450



VIA EXPRESS MAIL LABEL NUMBER EV339739042US

CUSTOMER NO.:



23456

PATENT TRADEMARK OFFICE

ATTORNEY DOCKET NO.: N9556-MJP

Dear Sir:

Enclosed for filing are the following:

1. Original utility patent application for the invention by B. Ryland Wiggs of a "Sealed Well Direct Expansion Heating and Cooling System, an Optional Geothermal Heating and Cooling System Solar Heating Supplement, and an Optional Geothermal Heating and Cooling System Water Cooled Supplement" which includes:

- a. specification;
  - b. 6 pages of drawings;
2. Self-addressed return post card.

**Small Entity Status**

Applicant claims small entity status under 37 C.F.R. 1.27.

**Claim of Priority**

Transmitted herewith for filing is a patent application claiming priority under 35 U.S.C. 119 (e) of co-pending U.S. Patent Application Serial No. 60/439,831 filed January 14, 2003, entitled "Deep Well Direct Expansion Heating/Cooling System"; U.S. Provisional Patent Application Serial No.

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*[Handwritten signature]*

60/456,335 filed March 20, 2003, entitled "Deep Well/Long Trench Expansion Heating/Cooling System"; U.S. Provisional Patent Application Serial No. 60/471,585 filed May 19, 2003, entitled "Deep Well/Long Trench Direct Expansion Heating/Cooling System and Retrofit Design"; and U.S. Provisional Patent Application Serial No. 10/211,112 filed August 2, 2002, entitled "Sealed Well Direct Expansion Heating and Cooling System", all of which are hereby incorporated by reference.

**Request for Non-Publication**

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. § 122(b).

You are authorized to charge any deficiency or credit any overpayment associated with the filing of this application to Deposit Account 23-0035.

Very truly yours,

**WADDEY & PATTERSON**

*[Signature]*  
Mark J. Patterson  
Registration Number 30,412

MJP/nrc  
Enclosures

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Date of deposit:

July 10, 2003

I hereby certify that this correspondence, including the following:

1. Original utility patent application for the invention by B. Ryland Wiggs of a "Sealed Well Direct Expansion Heating and Cooling System, an Optional Geothermal Heating and Cooling System Solar Heating Supplement, and an Optional Geothermal Heating and Cooling System Water Cooled Supplement" which includes:

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are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to:

Commissioner for Patents  
Mail Stop PATENT APPLICATION  
P.O. Box 1450  
Alexandria, VA 22313-1450

Date: 7/10/2003

  
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Mark J. Patterson